



Department of Energy

**Ohio Field Office
Fernald Area Office**

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3823



AUG 15 2001

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V-SRF-5J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0810-01

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
AGREEMENT/FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY
STUDY/CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF JULY 1, 2001,
THROUGH JULY 31, 2001, INCLUDING ANTICIPATED WORK FOR THE PERIOD
AUGUST 1 THROUGH AUGUST 31, 2001**

This letter transmits the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Monthly Report for the period of July 1, 2001, through July 31, 2001, including anticipated work for the period of August 1 through August 31, 2001. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the United States Environmental Protection Agency (USEPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Reising

Enclosures: As Stated

3823

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DOE-0810-01

Mr. James A. Saric
Mr. Tom Schneider

-2-

cc w/enclosure:

K. Chaney, EM-31, CLOV
N. Hallein, EM-31, CLOV
G. Jablonowski, USEPA-V, SRF-5J
D. Sarno, FCAB
V. Dastillung, FRESH
P. Dunn, FRESH
F. Hodge, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:

A. Tanner, OH/FEMP
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
D. Carr, Fluor Fernald, Inc./MS2
T. Hagen, Fluor Fernald, Inc./MS65-2
S. Hinnefeld, Fluor Fernald, Inc./MS31
B. Irvine, Fluor Fernald, Inc./MS28
R. McDonough, Fluor Fernald, Inc./MS80-3
T. Poff, Fluor Fernald, Inc./MS65-2
C. Sutton, Fluor Fernald, Inc./MS35
D. Whitaker-Sheppard, Fluor Fernald, Inc./MS31
ECDC, Fluor Fernald, Inc./MS52-7

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STUDY/CONSENT DECREE MONTHLY REPORT JULY 1, 2001 THROUGH JULY 31, 2001,
INCLUDING ANTICIPATED WORK FOR THE PERIOD AUGUST 1 THROUGH
AUGUST 31, 2001**

Introduction

This report describes actions at the Fernald Environmental Management Project (FEMP) from July 1 through 31, 2001. The monthly report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J.A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements", dated January 16, 1996, and agreed to by USEPA and OEPA.

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AUGUST 31, 2001**

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

July 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Loaded 12,053 tons of material from waste pits
 - Shipped 60 railcars (UT41) of material for disposal at Envirocare

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Major Work To Be Initiated/Continued/Completed
 - Load 14,859 tons of material from waste pits
 - Ship 130 railcars of material for disposal at Envirocare

**OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND
EXCAVATION PROJECT**

**Additional OU2 soils-related activities reported under OU5/Soils
Characterization and Excavation Project**

July 2001

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation Project (SCEP)
 - None
- Major Work Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operated Bulk Debris Material Transfer Area expansion
 - Continued construction of Cell 1 cap
 - Completed testing of the Enhanced Permanent Leachate Transfer System
 - Soil Characterization and Excavation Project (SCEP)

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AUGUST 31, 2001**

- Area 1
 - Continued to prepare draft final CDL change pages for certification of the OSDF Equipment Wash footprint
 - Submitted Variance to Certification PSP for certification of the OSDF Equipment Wash footprint and surrounding area
 - Received approval from Agencies for the Area 1, Phase III Part 1 Certification Report
- Area 2
 - Submitted comment responses for the Integrated Remedial Design Package for the Area 2, Phase I Perimeter Area
 - Completed removal of Well House 13
- Natural Resources
 - Submitted the draft version of the Final Natural Resource Restoration plan to Natural Resources Trustees on July 31, 2001

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF)
 - None
 - Soil Characterization and Excavation
 - None
- Major Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility
 - Operate Bulk Debris Material Transfer Area expansion
 - Continue construction of Cell 1 cap
 - Continue construction and testing of the Enhanced Permanent Leachate Transfer System
 - Begin placement of impacted material in Cells 2 and 3
- Soil Characterization and Excavation
 - Area 1
 - Collect samples from the Equipment Wash Facility area
 - Area 2
 - Begin removal of Basin 1 and perimeter impacted materials in the Southern Waste Units
 - Submit CDL / PSP for Certification of Southfield
 - Collect predesign samples in Area 2 Phase II Parts 2 & 3
- Area 4B
 - Submit predesign PSP for Pilot Plant Sump Investigation

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- Area 6
 - Submit predesign PSP for Solid Waste Landfill
 - Submit predesign PSP for Fire Training Facility Area
- Natural Resources
 - Submit responses to comments from the Agencies on the Ecological Research Annual Reports
 - Continue to revise the final Natural Resource Restoration plan

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

July 2001

- Enforceable Milestones Completed
 - None
- Major Work Initiated/Continued/Completed
 - Transition Work
 - Continued work on pipe Bridge
 - Completed relocation work on Trailer T-130 and continued modifications to T-65
 - Continued bagging of Asbestos Containing Materials (ACM)
 - Plant 6
 - Area 1
 - Continued penthouse demolition, internal ACM, VAT removal and interior Transite Removal
 - Area 2
 - Began to shear and demo equipment and haul to wash down
 - Continued interior transite removal
 - Continued below grade dismantlement and removal of equipment and debris
 - Facilities Shutdown
 - Continued Plant 2/3 Construction Support
 - Continued planning for Building 53
 - Completed removing laundry equipment for shipment to Mound

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Major Work To Be Initiated/Continued/Completed
 - Transition Work
 - Continue work on pipe Bridge

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- Continue work on Trailer T-95
- Continue glove bagging of Asbestos Containing Materials (ACM)
- Plant 6
 - Area 1
 - Continue interior Transite Removal and ceiling tile removal
 - Area 2
 - Continue interior miscellaneous demolition
 - Continue below grade dismantlement and removal of equipment
- Facilities Shutdown
 - Continue Plant 2/3 Construction Support
 - Continue planning for Building 53

OPERABLE UNIT 4 - SILOS PROJECT

July 2001

- Enforceable Milestones Completed
 - Submitted the revised Silo 3 Remedial Design Deliverables Schedule to the Agencies on July 13, 2001, meeting the July 15, 2001 milestone. The schedule was approved by Ohio EPA on July 19, 2001, and USEPA on July 23, 2001. The document establishes milestones for submittal of a draft Revised Silo 3 Remedial Design package (08/23/02) and for submittal of a draft Silo 3 remedial Action Work plan (10/06/03).
- Major Work Initiated/Continued/Completed
 - Received Ohio EPA approval of the revised Remedial Action Work plan for Radon Control System (RCS) Phase 1 Operation on July 16, 2001; the document was disapproved by USEPA on July 23, 2001. A milestone date of August 22, 2001 was established for re-submittal of the RA Work Plan.
 - Received USEPA approval of the Silos Project Regulatory Milestone Strategy on July 23, 2001. This document establishes new regulatory milestones for the Silos 1 and 2, Silo 3 and Accelerated Waste Retrieval (AWR) projects, consistent with the revised closure Contract baseline
 - Issued the Silos 1 and 2 Accelerated Waste Retrieval (AWR) Project Transition and Execution Strategy
 - Continued Due Diligence design reviews and other AWR Project contract transition activities
 - Continued conceptual design for Silo 3 and Silos 1 and 2 Projects

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit draft RA Work plan for RCS Phase 1 Operation to Agencies by August 22,

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2001

- Major Work To Be Initiated/Continued/Completed
 - Continue Due Diligence design reviews and other AWR Project contract transition activities
 - Continue conceptual design for Silo 3 and Silos 1 and 2 Projects
 - Initiate internal FEMP review of the Conceptual Design Report for the Silos 1 and 2 Project

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

July 2001

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for June to the Ohio EPA on July 19, 2001
 - Submitted the NPDES Noncompliance Report for June to the Ohio EPA on July 19, 2001
 - Met the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work Initiated/Continued/Completed
 - Submitted the May 2001 Operating Report for the Re-Injection Demonstration to the Agencies on July 18, 2001
 - Began work on the technical memorandum to establish baseline groundwater conditions for OSDF cells 1, 2, and 3
 - Developed a revised treatment method to alleviate plugging in the re-injection wells. The plan involves the use of hydrochloric and phosphoric acid with an "acid enhancer," as recommended by industry consultants
 - Initiated construction of infrastructure of Waste Storage Area Extraction System Phase I and South Field Extraction System - Supplemental Well on July 9; initiated underground piping to Extraction Well #26
 - Installed Supplemental Well and tested pump in South Field Extraction System
 - Installed pumps numbers 26, 27, and 28 in Waste Storage Area Extraction Wells (Phase I) and tested pumps in number 26 and 27

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge monitoring Report to the OEPA covering July 2001

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- Meet the monthly average uranium discharge to Great Miami River as required by OU5 Record of Decision
- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells
 - Complete pump testing of Waste Storage Area (WSA) – Phase I Well #27
 - Continue construction of Waste Storage Area Extraction System – Phase I and South Field Extraction System – Supplemental Well Infrastructure
 - Continue to work on OSDF baseline technical memorandum for groundwater (perched and Great Miami Aquifer)

WASTE MANAGEMENT

July 2001

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Packaged and shipped 12 drums of ballasts, 3 drums of NI-Cad batteries, 107 boxes of electrical waste for recycle with Recyclight
 - Continued segregating legacy wastes in the Chemical Management Program
 - Inorganic Treatment Project
 - Continued development of work plan for processing broken Lead Acid Batteries and Elemental Lead
 - Liquid Mixed Waste (Bulking) Project
 - Initiated Batch 10 shipment schedule for August 3, sent 10 day notice of shipment to TSCA
 - Developing location for consolidation tank in the bulking area for Batch 12 Bulking efforts
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Identified and procured 5 TOC boxes for NPDS Thorium shipment
 - Organic Treatment Project
 - Prepared and submitted TRB submittal package
 - Thorium Legacy Waste Project (TLWP)
 - Completed last shipment of Thoria Gel
 - Moved 123 containers of Thorium Trash to Building 64 East Pad
 - Initiated Trash Sorting and packaged 8 boxes of trash from within Building 67
 - Initiated comprehensive revision to the Super Thorium profile
 - Received notice that Building 64/65 is to vacated by December 2001

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- Wastewater Treatment Project
 - Submitted AWWT 1016 (16 containers) for Waste Characterization release
- Waste Minimization/Pollution Prevention
 - Finalized Sanitary Waste Disposal and Paper Recycling Statement of Work
 - Continue to revise Oil Recycling contract
 - Shipped LaserJet cartridges to Northstar Warehouse

August 2001 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Hazardous Waste Project
 - Continue segregation of chemicals from Chemical Management Program for free release
 - Submit Project Plan for Legacy Chemicals Waste Disposition
 - Liquid Mixed Waste (Bulking) Project
 - Initiate Batch 10 shipments in early August with completions of shipment planned for early September
 - Complete consolidation tank location at bulking area and prepare for Batch 12 bulking activities
 - Neutralization/Precipitation/Deactivation/Stabilization Project (NPDS)
 - Complete absorbent and compatibility determinations
 - Complete SC&PCRD and revision to the TRB Package
 - Organic Treatment Project
 - Begin overpacking of First Article Testing drums
 - Perform sampling of in-situ fire training facility soils
 - Thorium Legacy Waste Project (TLWP)
 - Continue moving Thorium Trash inventory from Plant 1 Pad and sorting operations
 - Move boxes of trash to Plant 1 for loading into sealands
 - Wastewater Treatment Project
 - Await Waste Characterization release activities
 - Continue activities for future staging/transfer wastewater treatment operations at Building 79